

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	10580	((438/106-109) or (257/778-783)). CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/05 15:43
S2	6976	S1 and @ad<"20030116"	US-PGPUB; USPAT	ADJ	ON	2007/01/05 17:50
S3	1845	S2 and (chip or die) and (bump or ball) and (flip chip or flip-chip or flipchip) and (guide or protrusion or protrud\$3 or align\$5)	US-PGPUB; USPAT	ADJ	ON	2007/01/05 17:48
S4	0	("2003/0207489").URPN.	USPAT	OR	OFF	2007/01/05 17:14
S5	2	("2002/0079577").URPN.	USPAT	OR	OFF	2007/01/05 17:14
S6	7	("5853517"   "5940679"   "6228676"   "6291775").PN. OR ("6683387"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:15
S7	5	("5598036").PN. OR ("6657124"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:17
S8	81	("4157932"   "4554033"   "4612083"   "4640981"   "4680226"   "4749120"   "4818728"   "4868979"   "4917466"   "4967314"   "5074947"   "5084961"   "5086558"   "5136365"   "5147210"   "5196371"   "5237130"   "5296063"   "5298279"   "5318651"   "5329423"   "5341564"   "5363277"   "5384952"   "5477419"   "5543585"   "5545281"   "5611140"   "5637176"   "5667884"   "5674780"   "5686702"   "5714252"   "5747101"   "5783465"   "5840417"   "5843251"   "5854514"   "5861322"   "5861678"   "5863970"   "5870289"   "5879761"   "5903056"   "5918364"   "5925930"   "5975408"   "6027575"   "6064120"   "6064217"   "6168972"   "6189208"   "6219911").PN. OR ("6410415"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:18
S9	6	("5508216"   "6133637").PN. OR ("6399419").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:23

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S10	17	("4190855"   "4604644"   "5138434"   "5182632"   "5214657"   "5229647"   "5249101"   "5629630"   "5685885"   "5704116"   "5785799"   "5789271"   "5824177"   "5886408"   "5905305"   "5977629").PN. OR ("6307262").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:23
S11	8	("4949164"   "4996589"   "5133403"   "5821627").PN. OR ("6265244").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:24
S12	30	("2628178"   "3832334"   "3987019"   "4209358"   "4490515"   "4533422"   "4793887"   "4899921"   "5001542"   "5150195"   "5175337"   "5317191"   "5550408"   "5656945"   "5691567"   "5739205"   "5834836"   "5861678").PN. OR ("6221691").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:24
S13	33	("5436503"   "5521435"   "5598036"   "5641996"   "5666008"   "5705858"   "5708304"   "5834848"   "5912507").PN. OR ("6214642").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:25
S14	13	("3960279"   "4983804"   "5164328"   "5208186"   "5428249"   "5495378").PN. OR ("5986348").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:26
S15	102	("3811186"   "4878611"   "5214308"   "5220200").PN. OR ("5523628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:26
S16	96	("3388301"   "3429040"   "3624462"   "3811186"   "3835531"   "3871014"   "4190855"   "4355463"   "4425501"   "4478915"   "4545610"   "4553036"   "4636631"   "4664309"   "4700276"   "4700473"   "4733096"   "4783722"   "4811082"   "4825284"   "4827118"   "4830264"   "4893172"   "4926241"   "4944916"   "4970575"   "4970577"   "5006673"   "5039628"   "5059553"   "5077633"   "5111279"   "5149958"   "5168346"   "5258648").PN. OR ("5504035").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:29

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S17	144	("3388301"   "3429040"   "3624462"   "3811186"   "3835531"   "3871014"   "4190855"   "4355463"   "4425501"   "4478915"   "4545610"   "4553036"   "4636631"   "4664309"   "4700276"   "4700473"   "4733096"   "4783722"   "4811082"   "4825284"   "4827118"   "4830264"   "4926241"   "4970575"   "4970577"   "5006673"   "5039628"   "5059553"   "5077633"   "5111279"   "5149958"   "5168346"   "5258648"   "5347162").PN. OR ("5489804").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:30
S18	104	("5284796").URPN.	USPAT	OR	OFF	2007/01/05 17:39
S19	24	("3429040"   "3811186"   "3871014"   "4190855"   "4355463"   "4545610"   "4825284"   "4926241"   "4970575"   "4970577").PN. OR ("5168346").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:44
S20	153	("3098287"   "3290756"   "3392442"   "3457639"   "3488840"   "3521128").PN. OR ("3811186").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:45
S21	13	("3719981"   "4640583"   "5284796"   "5519524"   "5611481"   "5770826"   "6020946"   "6061114"   "6104466"   "6124914"   "6136047"   "6179679"   "6195146").PN. OR ("6583847").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/05 17:47
S22	256	((chip or die) with (bump or ball)) and ((substrate or board) with (bump or ball)) and (flip chip or flip-chip or flipchip) and (guide same bond\$3)	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:02
S23	165	S22 and @ad<"20030116"	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:04
S24	2757	((chip or die) with (bump or ball)) and ((substrate or board) with (bump or ball)) and (flip chip or flip-chip or flipchip) and ((stopper or wall or partition or spacer or barrier) same (bond\$3 or prevent\$3))	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:33
S25	1663	S24 and @ad<"20030116"	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:37
S26	1288	S25 not S3	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:06

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S27	1254	S26 not S23	US-PGPUB; USPAT	ADJ	ON	2007/01/05 18:06
S28	258	((chip or die) with (bump or ball)) and ((substrate or board) with (bump or ball)) and (flip chip or flip-chip or flipchip) and (prevent\$3 with (mis-align\$4 or misalign\$4 or align\$4))	US-PGPUB; USPAT	ADJ	ON	2007/01/05 20:40
S29	140	S28 and @ad<"20030116"	US-PGPUB; USPAT	ADJ	ON	2007/01/05 20:42
S30	212	(SIP or (system in package)) and (mis-align\$4 or misalign\$4 or align\$4 or dislocation) and (flip-chip or flip chip)	US-PGPUB; USPAT	ADJ	ON	2007/01/05 20:42
S31	63	S30 and @ad<"20030116"	US-PGPUB; USPAT	ADJ	ON	2007/01/05 20:42